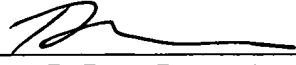




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INFORMATION DISCLOSURE  
STATEMENT  
Patent Application  
Docket No. UF-382XC1  
Serial No. 10/577,611

  
Doran R. Pace, Patent Attorney

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : L. Curtis Hannah, Maureen Anne Clancy  
Serial No. : 10/577,611  
Filed : April 28, 2006  
For : Materials and Methods for Improved Sweet Corn

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT  
UNDER 37 CFR §§1.97 AND 1.98

Sir:

In accordance with 37 CFR §1.56, the references listed on the attached form PTO/SB/08 are being brought to the attention of the Examiner for consideration in connection with the examination of the above-identified patent application. A copy of each cited reference is enclosed. However, Applicants have not submitted copies of the U.S. patents or published U.S. Patent Applications cited on attached Form PTO/SB/08 pursuant to 37 CFR 1.98(a)(2)(ii).

It is respectfully requested that the references cited on the attached form PTO/SB/08 be considered in the examination of the subject application and that their consideration be made of record.

Applicants respectfully assert that the substantive provisions of 37 CFR §§1.97 and 1.98 are met by the foregoing statement.

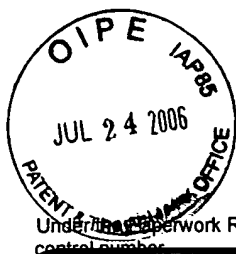
Respectfully submitted,



Doran R. Pace  
Patent Attorney  
Registration No. 38,261  
Phone No.: 352-375-8100  
Fax No.: 352-372-5800  
Address: P.O. Box 142950  
Gainesville, FL 32614-2950

DRP/kmm

Attachments: Form PTO/SB/08; copies of cited references.



PTO/SB/08A (08-03)  
Approved for use through 07/31/2006. OMB 0651-0031  
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<b>Substitute for form 1449A/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	10/577,611
				Filing Date	April 28, 2006
				First Named Inventor	L. Curtis Hannah
				Art Unit	Not yet assigned
				Examiner Name	Not yet assigned
Sheet	1	of	4	Attorney Docket Number	UF-382XC1

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
	U1	US-6,410,716	06-25-2002	MYERS <i>et al.</i>	All
	U2	US-6,184,438	02-06-2001	HANNAH	All
	U3	US-6,573,009	06-03-2003	GRAHAM	All
	U4	US-6,506,559	01-14-2003	FIRE <i>et al.</i>	All
	U5	US-5,589,618	12-31-1996	HANNAH <i>et al.</i>	All
	U6	US-5,650,557	07-22-1997	HANNAH <i>et al.</i>	All
	U7	US-5,872,216	02-16-1999	HANNAH <i>et al.</i>	All
	U8	US-6,403,863	06-11-2002	HANNAH <i>et al.</i>	All
	U9	US-6,069,300	05-30-2000	HANNAH <i>et al.</i>	All
	U10	US-6,274,792	08-14-2001	CHANG <i>et al.</i>	All
	U11	US-5,955,330	09-21-1999	VASIL <i>et al.</i>	All
	U12	US-6,288,311	09-11-2001	MARSHALL <i>et al.</i>	All
	U13	US-5,004,864	04-02-1991	ROBERTSON <i>et al.</i>	All
	U14	US-2003/0108923	06-12-2003	TUSCHL <i>et al.</i>	All
	U15	US-2002/0086356	07-04-2002	TUSCHL <i>et al.</i>	All

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
	F1	WO 02/44321	06-06-2002	MAXPLANCK-GESELLSCHAFT ZUR FÖRDERUNG DER WISSENSCHAFTEN E.V.	All	
	F2					

Examiner Signature		Date Considered	
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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

**Complete if Known**

Application Number	10/577,611
Filing Date	April 28, 2006
First Named Inventor	L. Curtis Hannah
Group Art Unit	Not yet assigned
Examiner Name	Not yet assigned
Attorney Docket Number	UF-382XC1

Sheet	2	of	4
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**NON PATENT LITERATURE DOCUMENTS**

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	R1	AINSWORTH, C. <i>et al.</i> "Adenosine Diphosphate Glucose Pyrophosphorylase Genes in Wheat: Differential Expression and Gene Mapping", <i>Planta</i> , 1995, pp. 1-10, Vol. 197.	
	R2	ANDERSON, J. M. <i>et al.</i> "The Encoded Primary Sequence of a Rice Seed ADP-glucose Pyrophosphorylase Subunit and its Homology to the Bacterial Enzyme", <i>J. Biol. Chem.</i> , 1989, pp. 12238-12242, Vol. 264, No. 1.	
	R3	ANDERSON, J. M. <i>et al.</i> "Molecular Characterization of the Gene Encoding a Rice Endosperm-Specific ADPglucose Pyrophosphorylase Subunit and its Developmental Pattern of Transcription", <i>Gene</i> , 1991, pp. 199-205, Vol. 97.	
	R4	ARMSTRONG, C.L. <i>et al.</i> "Establishment and Maintenance of Friable, Embryogenic Maize Callus and the Involvement of L-proline", <i>Planta</i> , 1985, pp. 207-214, Vol. 164.	
	R5	BAE, J.M. <i>et al.</i> "Cloning and Characterization of the <i>Brittle-2</i> Gene of Maize", <i>Maydica</i> , 1990, pp. 317-322, Vol. 35.	
	R6	BALLICORA, M. A. <i>et al.</i> "Adenosine 5'-Diphosphate-Glucose Pyrophosphorylase from Potato Tuber", <i>Plant Physiol.</i> , 1995, pp. 245-251, Vol. 109.	
	R7	BHAVE, M.R. <i>et al.</i> "Identification and Molecular Characterization of <i>Shrunken-2</i> cDNA Clones of Maize", <i>Plant Cell</i> , June 1990, pp. 581-588, Vol. 2.	
	R8	DICKINSON, D.B. <i>et al.</i> "Presence of ADP-Glucose Pyrophosphorylase in <i>Shrunken-2</i> and <i>Brittle-2</i> Mutants of Maize Endosperm", <i>Plant Physiol.</i> , 1969, pp. 1058-1062, Vol. 44.	
	R9	FRAME, B.R. <i>et al.</i> "Production of Transgenic Maize from Bombarded Type II Callus: Effect of Gold Particle Size and Callus Morphology on Transformation Efficiency", <i>In Vitro Cell. Dev. Biol-Plant</i> , 2000, pp. 21-29, Vol. 36.	
	R10	COPELAND, L. <i>et al.</i> "Purification of Spinach Leaf ADPglucose Pyrophosphorylase", <i>Plant Physiol.</i> , 1981, pp. 996-1001, Vol. 68.	
	R11	GIROUX, M.J. <i>et al.</i> "ADP-glucose Pyrophosphorylase in <i>Shrunken2</i> and <i>Brittle2</i> Mutants of Maize", <i>Molecular and General Genetics</i> , 1994, pp. 400-408, Vol. 243.	
	R12	GREENE, TW. <i>et al.</i> "Mutagenesis of the Potate ADPglucose Pyrophosphorylase and Characterization of an Allosteric Mutant Defective in 3-phosphoglycerate Activation", <i>Proc. Natl. Acad. Sci., USA</i> , February 1996, pp. 1509-1513, Vol. 93.	

Examiner  
Signature

Date

Considered

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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**Complete if Known**

Application Number	10/577,611
Filing Date	April 28, 2006
First Named Inventor	L. Curtis Hannah
Group Art Unit	Not yet assigned
Examiner Name	Not yet assigned
Attorney Docket Number	UF-382XC1

Sheet	3	of	4
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	R13	GREENE, T.W. <i>et al.</i> "Aspartic Acid 413 is Important for the Normal Allosteric Functioning of ADP-Glucose Pyrophosphorylase", <i>Plant Physiol.</i> , 1996, pp. 1315-1320, Vol. 112.	
	R14	HANNAH, L.C. <i>et al.</i> "Characterization of Adenosine Diphosphate Glucose Pyrophosphorylases from Developing Maize Seeds", <i>Plant Physiol.</i> , 1975, pp. 297-302, Vol. 55.	
	R15	HANNAH, L.C. <i>et al.</i> "Characterization of ADP-Glucose Pyrophosphorylase from <i>Shrunken-2</i> and <i>Brittle-2</i> Mutants of Maize", <i>Biochem. Genet.</i> , 1976, pp. 547-560, Vol. 14, No. 7/8.	
	R16	HANNAH, L.C. "Starch Synthesis in the Maize Endosperm", In: <i>Advances in Cellular and Molecular Biology of Plants</i> , 1997, pp. 375-405, Vol. 4., Larkins, B. A. <i>et al.</i> (eds.). Cellular and Molecular Biology of Plant Seed Development. Kluwer Academic Publishers, Dordrecht, The Netherlands.	
	R17	IGLESIAS, A. <i>et al.</i> "Expression of the Potato Tuber ADP-Glucose Pyrophosphorylase in <i>Escherichia Coli</i> ", <i>J. Biol. Chem.</i> , 1993, pp. 1081-1086, Vol. 268, No. 2.	
	R18	LAL, J. <i>et al.</i> "The AG Dinucleotide Terminating Introns is Important but not Always Required for Pre-mRNA Splicing in the Maize Endosperm", <i>Plant Physiology</i> , May 1999, pp. 65-72, Vol. 120.	
	R19	LIN, T-P. <i>et al.</i> "A Starch Deficient Mutant of <i>Arabidopsis thaliana</i> with Low ADPglucose Pyrophosphorylase Activity Lacks One of the Two Subunits of the Enzyme", <i>Plant Physiol.</i> , 1988, pp. 1175-1181, Vol. 88.	
	R20	MORELL, M. <i>et al.</i> "Affinity Labeling of the Allosteric Activator Site(s) of Spinach Leaf ADP-glucose Pyrophosphorylase", <i>J. Biol. Chem.</i> , January 1988, pp. 633-637, Vol. 263, No. 2.	
	R21	MULLER-ROBER, B.T. <i>et al.</i> "One of Two Different ADP-glucose Pyrophosphorylase Genes from Potato Responds Strongly to Elevated Levels of Sucrose", <i>Mol. Gen. Genet.</i> , 1990, pp. 136-146, Vol. 224.	
	R22	NAKATA, P.A. <i>et al.</i> "Comparison of the Primary Sequences of Two Potato Tuber ADP-glucose Pyrophosphorylase Subunits", <i>Plant Molecular Biology</i> , 1991, pp. 1089-1093, Vol. 17.	
	R23	OKITA, T.W. <i>et al.</i> "The Subunit Structure of Potato Tuber ADPglucose Pyrophosphorylase", <i>Plant Physiol.</i> , 1990, pp. 785-790, Vol. 93.	
	R24	OKITA, T.W. <i>et al.</i> "Engineering Plant Starches by the Generation of Modified Plant Biosynthetic Enzymes", In: <i>Engineering Crops for Industrial End Uses</i> , 1996, Shewry, P. R., <i>et al.</i> (eds.). Portland Press LTD., London.	

Examiner  
SignatureDate  
Considered

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Substitute for form 1449B/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)			<b>Complete if Known</b>	
			Application Number	10/577,611
Sheet <u>4</u> of <u>4</u>			Filing Date	April 28, 2006
			First Named Inventor	L. Curtis Hannah
			Group Art Unit	Not yet assigned
			Examiner Name	Not yet assigned
			Attorney Docket Number	UF-382XC1

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	R25	OLIVE, M.R. <i>et al.</i> "Isolation and Nucleotide Sequences of cDNA Clones Encoding ADP-glucose Pyrophosphorylase Polypeptides from Wheat Leaf and Endosperm", <i>Plant Physiol. Mol. Biol.</i> , 1989, pp. 525-538, Vol. 12.	
	R26	PREISS, J. "Bacterial Glycogen Synthesis and its Regulation", <i>Ann. Rev. Microbial.</i> , 1984, pp. 419-458, Vol. 38.	
	R27	PREISS, J. <i>et al.</i> "Molecular Biology and Regulatory Aspects of Glycogen Biosynthesis in Bacteria", <i>Progress in Nuc. Acid Res. And Mol. Biol.</i> , 1994, pp. 299-329, Vol. 47.	
	R28	PREISS, J. <i>et al.</i> "Starch Synthesis in Sinks and Sources", In: <u>Photassimilate Distribution in Plants and Crops: Source-Sink Relationships</u> , 1996, Zamski, E. (ed.). pp. 139-168, Marciel Dekker Inc.	
	R29	SHAW, J.R. <i>et al.</i> "Genomic Nucleotide Sequence of a Wild-Type Shrunken-2 Allele of <i>Zea mays</i> ", <i>Plant Physiology</i> , 1992, pp. 1214-1216, Vol. 98.	
	R30	SOMOGYI, M. "Notes on Sugar Determination", <i>Journal of Biological Chemistry</i> , 1952, pp. 19-23, Vol. 195.	
	R31	SPENCER, T.M. <i>et al.</i> "Bialaphos Selection of Stable Transformants from Maize Cell Culture", <i>Theor. Appl. Genet.</i> , 1990, pp. 625-631, Vol. 79.	
	R32	STARK, D.M. <i>et al.</i> "Regulation of the Amount of Starch in Plant Tissues by ADP Glucose Pyrophosphorylase", <i>Science</i> , 1992, pp. 287-292, Vol. 258.	
	R33	TSAI, C. Y. <i>et al.</i> "Starch-Deficient Maize Mutant Lacking Adenosine Diphosphate Glucose Pyrophosphorylase Activity", <i>Science</i> , 1966, pp. 341-343, Vol. 151.	
	R34	VAIN, P. <i>et al.</i> "Osmotic Treatment enhances Particle Bombardment-Mediated Transient and Stable Transformation of Maize", <i>Plant Cell Reports</i> , 1993, pp. 84-88, Vol. 12.	
	R35		
	R36		
	R37		

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